

ABSTRACT OF THE DISCLOSURE

To provide an electron-emitting device, an  
electron source, an image-forming apparatus, and a  
method for manufacturing the electron-emitting device  
5 whereby it is possible to reduce a device capacity and  
a driving voltage, to improve the efficiency of  
emitting electrons, and to obtain high-resolution beam.  
The extracting electrode and the cathode electrode are  
provided on an insulating substrate, a layer having  
10 growth selectivity of fibrous carbon is formed on the  
cathode electrode, and the fibrous carbon is grown via  
catalyst particles formed on the layer.